

Low Cost Digital Thermometer and ECG

Contact Person

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Team

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Week

March 5 to March 12, 2009

Problem Statement

Emerging countries are in need of a durable, low-cost thermometer to operate with the MedCal, a handheld medical output device. The thermometer's incorporated circuitry should produce accurate temperature measurements through the use of a human interface.

Last Week's Goals

- Build the circuit on prototyping board
- Test circuit in the range of body temperature (32-42 degrees C)
- Build and test various casings for the probe
- Practice the midsemester presentation
- Write midsemester paper

Accomplishments

- Built more complicated circuit
- Built rudimentary prototype for presentation purposes
- Practiced and gave midsemester presentation
- Wrote midsemester paper

This Week's Goals

- Build simplified circuit
 - Get circuit on prototyping board
 - Test circuit
- Purchase various materials for casing
- Test casing materials

